

U.S. FOREST SERVICE

NORTHERN REGION

DIVISION OF STATE AND PRIVATE FORESTRY

INSECT AND DISEASE REPORT

5200

December 1971

DWARF MISTLETOE GROWTH IMPACT, ASSOCIATED MORTALITY,
AND SPREAD AND INTENSIFICATION STUDY
IN INFECTED STANDS OF DOUGLAS-FIR, LODGEPOLE PINE,
AND WESTERN LARCH

ESTABLISHMENT REPORT

by

Oscar J. Dooling
Supervisory Plant Pathologist

INTRODUCTION

This report will document the establishment of the Douglas-fir and lodgepole pine study plots for the study. See the original study plan for objectives and methods used.

DOUGLAS-FIR PLOTS

Location.--Missoula Ranger District, Lolo National Forest. Section 6, T. 11 N., R. 21 W.

Number of plots.--Because of the sparseness of Douglas-fir reproduction, only two replicates, containing 24 subplots, were established. Size of each subplot was also reduced to one-quarter acre instead of the planned one-half acre.

Personnel involved.--Initials on plot sheets indicate personnel who assisted in plot establishment. They were:

D -Oscar J. Dooling, State and Private Forestry
B -Donald Berg, State and Private Forestry
G -Carma Gilligan, State and Private Forestry
M -Hubert Meyer, State and Private Forestry
W -Michael Wells, INT
RW -Ralph Williams, State and Private Forestry

Cultural treatment.--All cultural treatment on the plots was conducted by personnel from the Missoula Ranger District.

LODGEPOLE PINE PLOTS

Location --Bozeman Ranger District, Gallatin National Forest. Section 16, T. 4 S., R. 6 E.

Number of plots.--Three replicates, containing 36 subplots, were established per the original study plan. Size of the subplots was one-half acre.

Personnel involved.--Initials on plot sheets indicate personnel who assisted in plot installation. They were:

D -Oscar J. Dooling, State and Private Forestry
B -Donald Berg, State and Private Forestry
C -Clinton Carlson, State and Private Forestry
W -Ralph Williams, State and Private Forestry
M -Robert Magill, Gallatin National Forest
H -John Heckman, Gallatin National Forest

Cultural treatment.--All cultural treatment on the plots was conducted by personnel from the Bozeman Ranger District.